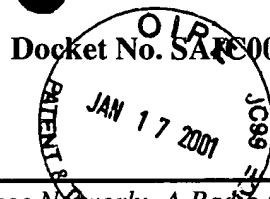


Form PTO-1449 (Rev. 2-32)		U.S. Department of Commerce Patent & Trademark Office		Atty. Docket No. <b>SAIC0009</b>		Serial No. <b>09/670,613</b>	
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>				Applicant <b>Ronald S. RAHMEL, et al.</b>			
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block; transform: rotate(-15deg);"> <b>DIPE JC182</b>  <b>APR 26 2002</b>  <b>PATENT &amp; TRADEMARK OFFICE</b> </div>							
				<b>U.S. PATENT DOCUMENTS</b>			
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date (if appropriate)
Gan		6,289,237	9/11/2001	Mickle, et al.	600	509	12/22/98
1		6,275,010	8/14/2001	Neuteboom	320	137	8/16/2000
1		6,184,651	2/6/2001	Fernandez, et al.	320	108	3/20/2000
x		4,031,449	6/21/77	Trombly	320	2	11/20/75
<b>FOREIGN PATENT DOCUMENTS</b>							
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
EXAMINER <i>Simon Ryzhen</i>		DATE CONSIDERED <i>10/23/03</i>					
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Serial No. 09/670,613

Art Group: 2821

Docket No. SAR 0009-US



SON	Noreen et al., "The system view," Abstract, <i>The Deep Space Network: A Radio Communication Instrumentation for Deep Space Exploration</i> , p. 25, 1983. ("Deep Space Network").
7	Naumenko et al., "Trajectories of relativistic particles moving in free space," Abstract, <i>Radiotekhnika I Elektronika</i> , Vol. 29, No. 9, pp. 144-145, 1984. ("Relativistic Particles").
	Yegerov, "The efficiency of energy transmission by an electromagnetic beam and its conversion in a rectenna," translated in <i>Soviet Journal of Communications Technology &amp; Electronics</i> , Vol. 30, No. 8, pp. 35-41, 1985. ("Energy Transmission").
	Bianco, "Measurement Techniques for Evaluating Power System Interference to Instrument Landing Systems (ILS)," Abstract, <i>Canadian Electrical Association Contract/Grant Nos. CEA100T219 and CEA100T219A</i> , 1985. ("ILS").
	Machina et al., "Power beaming - Energy transmission at 35 GHz and higher frequencies (for terrestrial and space applications with rectennas)," Abstract, <i>International Communication Satellite Systems Conference and Exhibit, 14<sup>th</sup>, Technical Papers, Part 3</i> , pp. 1671-1674, 1992. ("Power Beaming").
	Waldron, "Rectenna options for a lunar-solar power system," Abstract, <i>26<sup>th</sup> International Conference on Environmental Systems</i> , 1996. ("Rectenna Options").
	Keerthi, "Analysis of the multistage CM array for digital communication signals," Abstract, <i>Conference Record of the Thirtieth Asilomar Conference on Signals, Systems and Computers</i> , Vol. 2, No. 23, p. 1416, 1997. ("Asilomar").
	Takeshi et al., "Experimental study of microwave power transmission efficiency," Abstract, <i>IEIC Technical Report, Institute of Electronics, Information and Communication Engineers</i> , Vol. 98, No. 474, pp. 21-24, 1998. ("IEIC").
	Vasudev, "Telecom explosion drives RF ICs," <i>Electronic Engineering Times</i> , No. 1016, p. 81, 1998. ("RF ICs").
	Takyuki et al., "Effective utilization of electromagnetic energy. Effective utilization of electromagnetic energy in ITS (4). Radiocommunication in turnpike automatic charge collection system," Abstract, <i>Denji Kankyo Kogaku Joho EMC</i> , Vol. 11, No. 9, pp. 38-45, 1999. ("ITS").
4	Ohr, "Integrated, one-chip cell phone is still a stretch, panelists concur," <i>Electronic Engineering Times</i> , No. 1067, p. 64, 1999. ("One-chip cell phone").
<b>EXAMINER</b> <i>Simon Nguyen</i>	
<b>DATE CONSIDERED</b> <i>10/23/03</i>	
<b>*Examine:</b> Initial if referenced considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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<b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary)	<b>Atty. Docket No.</b> SAIC0009-US	<b>Serial No.</b> 09/670,613
	<b>Applicant(s)</b> Ronald S. RAHMEI,	
	<b>Filing Date</b> September 27, 2000	<b>Art Group:</b> 2821

## U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
SM	3,434,678	03/25/69	W.C. Brown, et al.	244	1	05/05/65
	3,852,755	12/03/74	Works, et al.	343	701	02/12/73
	3,927,375	12/16/75	Lanoe, et al.	325	363	02/04/74
	4,079,268	03/14/78	Fletcher, et al.	307	151	10/06/76
	4,628,299	12/09/86	Tate, et al.	340	540	01/28/85
	5,043,739	08/27/91	Logan et al.	343	701	01/30/90
	5,416,486	05/16/95	Koert, et al.	342	42	11/08/93
	5,440,300	08/08/95	Spillman, Jr.	340	825.54	11/28/94
	5,495,519	02/27/96	Chen	379	58	03/14/95
	5,710,988	01/20/98	Suzuki, et al.	455	90	06/18/96
	5,842,838	12/01/98	Berg	417	331	11/04/96
	5,889,383	03/30/99	Teich	320	107	04/03/98
	5,898,932	04/27/99	Zurlo, et al.	455	573	03/24/97
	5,970,393	10/19/99	Khorrami, et al.	455	66	02/25/97
	6,045,339	04/04/2000	Berg	417	332	01/20/98

## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

SM	Davies, "Operation of Information Satellites in an interference environment," Abstract, <i>Microwave Journal</i> , Vol. 15, pp. 33-36, 1972. ("Microwave Journal")
	Dickinson, "Satellite Power System (SPS) Microwave Subsystem Impacts and Benefits," Abstract, <i>Report No. NASA-CR-157951</i> , 1977. ("Dickinson SPS")
	Tonelli et al., "Design and analysis of a 5000-MW GaAlAs satellite power system," Abstract, <i>Proceedings of the 12<sup>th</sup> Intersociety Energy Conversion Engineering Conference Part II</i> , pp. 1412-1420, 1977. ("IECE 1").
	Tonelli et al., "Design and evaluation of a 5 GW GaAlAs solar power satellite (SPS)," Abstract, <i>Proceedings of the 13<sup>th</sup> Intersociety Energy Conversion Engineering Conference Part I</i> , pp. 156-161, 1978. ("IECE 2").
	Hughes, "The interactions of a solar power satellite transmission with the ionosphere and troposphere," Abstract, <i>AGARD Conference Proceedings No. 284. Propagation Effects in Space/Earth Paths</i> , p. 38, 1980. ("AGARD").
	Maynard, "Initial MPTS study results: Design considerations and issues," Abstract, <i>Johnson Space Center Solar Power Satellite Microwave Transmission and Reception</i> , pp. 28-32, 1980. ("MPTS").